

**Segment Installation Procedures
Netscape Messaging Server (NSMSG)
Version 1.0.0.0/3.01 (HP-UX 10.20)**

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Preface

The following conventions are used in this document:

Bold	Used for information that is typed, pressed, or selected in executables and instructions. For example, select connect to host .
<i>Italics</i>	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
“Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example “Data-Generation Report.”
Courier Font	Used to denote anything as it appears on the screen or command lines. For example <code>tar xvf dev/rmt/3mm</code> .
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

1. Installation Procedures

1.1 Scope

These Installation Procedures (IP) provide a quick reference for installing the Netscape Messaging Server (NSMSG) segment for the Defense Information Infrastructure (DII) on Hewlett-Packard (HP)-based machines.

1.1.1 Identification

This section contains identification information for the NSMSG segment:

Segment Name:	Netscape Messaging Server
Segment Type:	COTS:COE CHILD
Prefix:	NSMSG
Home Catalog:	<i>/h/COTS/NSMSG</i>
Required License:	Netscape Messaging Server License (SuiteSpot 3.0)
Version Number:	1.0.0.0/3.01
Platform:	HP (UNIX) Workstation/HP-UX 10.20

1.1.2 System Overview

- Purpose:** NSMSG is a Messaging server application produced by Netscape Communications Corporation based on client-server that provides directory services, administration, scalability, performance, encryption, and remote connectivity. Messaging Server is seamlessly integrated with Netscape Communicator software..
- Usage:** This NSMSG segment provides Lightweight Directory Access Protocol (LDAP) services, Simple Mail Transfer, Protocol (SMTP)-compliant delivery notifications, Internet Mail Access Protocol (IMAP4) messaging quotas, Simple Network Management Protocol (SNMP) management, and X.509 version 3 client certificates, Messaging
- References:** “Netscape Messaging Server - Installation and Reference Guide (UNIX)” from Netscape Communications Corporation (accompanies each licensed copy of the Netscape Messaging Server). On-line documentation accompanies the software, and additional documentation can be downloaded from Netscape at <http://www.netscape.com/>.

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2. Referenced Documents

“Netscape Messaging Server - Installation and Reference Guide (UNIX)” from Netscape Communications Corporation (accompanies each licensed copy of the Netscape Messaging Server).

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3. System Environment

3.1 System Requirements

3.1.1 Hardware Requirements

The following HP hardware is necessary to install the NSMSG segment:

- C HP-UX 10.20
- C 88000 KB of disk space
- C 32000 KB of memory (minimum)

3.1.2 Operating System Requirements

The HP operating system must be at least HP-UX 10.20 to install the NSMSG segment.

3.1.3 Kernel Requirements

The following DII COE Kernel is required to install the NSMSG segment:

DII COE Kernel V3.1 or V3.2 for HP-UX 10.20

3.2 System and Site Preparations

3.2.1 System Configuration

Enter or verify that the Netscape SuiteSpot Servers, PERL, and Netscape Messaging Server segments into the COE Component Table (*/h/COE/data/Comp_Table*). Install the Netscape SuiteSpot Servers and PERL segments.

3.2.2 Operation System Preparation

None.

3.2.3 Tape/Disk Preparation

None.

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4. Installation Instructions

4.1 Media Booting Procedures

None.

4.2 Installation Procedures for the NSMSG Segment

NOTE:

To manage information about users and groups for use with Netscape Messaging Server 3.01, you can use either an LDAP-compliant Directory Server such as the Netscape Directory Server or a local database that comes bundled with the Administration Server (installed with the Messaging Server). LDAP (Lightweight Directory Access Protocol) is the Internet standard directory service protocol designed to store and retrieve information about users, groups and other network data. Sites that wish to publish user and group information for use by mail clients such as Netscape's Communicator, or who need to deploy multiple Messaging Servers managed by a single administration framework, must use a Directory Server. The local database is intended primarily for sites running a stand-alone Netscape server.

Important:

If you plan to use Messaging Server 3.01 (NSMSG) with the Netscape Directory Server, you must use the NSDIRY segment and you must install the Netscape Directory Server (NSDIRY) before installing the Messaging Server. The NSDIRY segment does not have to be installed (and should not be) on the same machine as the NSMSG segment.

Before you install Netscape Messaging Server 3.01 (NSMSG), ensure that:

- C You are using Netscape Navigator 3.0 (or later) to configure and administer the Messaging Server.
- C DNS is operating correctly and your machine name is configured correctly.
- C You know the SuiteSpot user and group accounts--for example, sspot and sspot.
- C If you are using the Directory Server to maintain user and group accounts, you know the machine name and port number of the Directory Server.
- C If you are using the Directory Server to maintain user and group accounts, you know the base DN (Distinguished Name) for the Messaging Server--for example, ou= DoD, o=USgov, c=US. (It is also helpful to know the "Directory Bind DN & Bind password.")

This section describes the procedures required to install the NSMSG on DII HP machines.

Step 1: To install the NSMSG Segment, select the **Netscape Messaging Server** label from the COEInstaller's Select Software to Install window and click the **Install** button.

Step 2: Enter *yes* to the Netscape License question.

```
BY INSTALLING THIS SOFTWARE YOU ARE CONSENTING TO BE
BOUND BY AND ARE BECOMING A PARTY TO THE AGREEMENT
FOUND IN THE LICENSE.TXT FILE. IF YOU DO NOT AGREE TO
ALL OF THE TERMS OF THIS AGREEMENT, PLEASE DO NOT
INSTALL OR USE THIS SOFTWARE.
```

```
Do you agree to the license terms? [no]:
```

Step 3: The next question ask where to install the Messaging Server distribution. Please enter the DII Engineering Office approved directory */h/COTS/SuiteSpot/ns-home-3*. Any other directory may make the installation fail or cause the Messaging server to operate incorrectly.

```
This program will extract the server files from the
distribution media and install them into the directory
you specify. This directory is called the server root
and will contain the server programs, the
administration server, and the server configuration
files.
```

```
To accept the default shown in brackets, press return.
```

```
Server root [/usr/netscape/suitespot]:
```

Step 3a: If a Netscape Admin Server is already installed on this host you will see the following question. Enter *no* to the following question:

```
The Netscape Admin Server has already been installed,
Do you want to reinstall the static part of it? [no]
```

NOTE: If the above question is encountered; skip to step 13.

Step 4: Enter the host name of the machine you are installing on.

To start configuration, you must enter your machine's full name. A full name is of type
<hostname>.<domainname> such as foobar.widgets.com

To accept the default shown in brackets, press return.

Full name [orbiter.]:

Step 5: Enter the Netscape Admin server port number for this host. The approved value that has been registered with DII is 5351.

You must now set up your administration server. This server is separate from any of your public servers, since it listens to a different port and access to it is restricted. This server is used to configure and control the public servers.

Pick a random number between 1024 and 65535 to run your administration server on. You should **not** use a port number which you plan to run a public server on, rather, select a number which you will remember and which will not be used for anything else.

The default in brackets was randomly selected from the available ports on your system.

Administration port [32186]:

Step 6: Enter the user to run the Netscape Admin Server. This user should be *root*.

The administration server program runs as a certain user on your system. This user can and should be different than the one which your public servers run as. If you have the administration server run as root, you will be able to use the Server Manager to start and stop your public servers. Only the user you select will be able to write to your configuration files.

Run admin server as [root]:

Step 7: Enter the SuiteSpot user ID and group ID. Both values should use *sspot* which has been approved by the DII Engineering Office. Any other user or group will cause the installation to possibly fail and/or the server may not operate correctly.

Please choose a UNIX user and group to run individual Netscape SuiteSpot server as. It is recommended that this user should have no privileges in the rest of the system. The administration server will give this group some permissions in the server root to perform server specific operations.

You should create this user and group using your native UNIX system utilities if they do not already exist.

Example for this user: nobody or nsuser or your choice ...

Example for this group: nobody or nsgroup or your choice ...

SuiteSpot User [nobody]:

Step 8: The next question is very important. To manage information about users and groups for use with Netscape Messaging Server 3.01, you can use either an LDAP-compliant Directory Server such as the Netscape Directory Server or a local database that comes bundled with the Administration Server (installed with the Messaging Server). LDAP (Lightweight Directory Access Protocol) is the Internet standard directory service protocol designed to store and retrieve information about users, groups and other network data. Sites that wish to publish user and group information for use by mail clients such as Netscape's Communicator, or who need to deploy multiple Messaging Servers managed by a single administration framework, must use a Directory Server. The local database is intended primarily for sites running a stand-alone Netscape server.

Are you using a LDAP-based Directory Server, such as the Netscape Directory Server product, to maintain and provide user and group information? If so, you need to provide information which will be used to construct information similar to below to access your directory server:

```
ldap://<machine>:<port>/o=Netscape Communications,c=US
```

If not, then just enter to use default.

Are you using LDAP-based Directory Server [no]:

Step 9: Next you must know or decide if you want to use Secure Sockets Layer (SSL) with LDAP. If you will be using SSL, then use *ldaps* instead of *ldap* when entering the URL. Also the port number for SSL is 636 instead of 389. The information needed to enter the correct URL was provided at the end of the NSDIRY segment installation. You should have written this down.

If you are using Secure Sockets Layer (SSL) to connect to this directory server, you must change *ldap:* to *ldaps:* in the following URL

Make sure the *ldap* security, machine name, port, and base DN are correct.

Enter the URL to use when accessing the LDAP server,
[*ldap://aurora.lab.saic.com:389/o=Netscape Communications,c=US*]:

Step 10: Enter the administration user for the Admin Server. Please choose the default *admin* unless you used another name for your site. If using LDAP, this name must be the name used when the NSDIRY segment was installed.

Access to the administration is restricted to people who know the administration username and password, and to people who access the server from a host you specify. When you access the administration server, it will prompt you for a username and a password. Please select a name and password.

Since you are using a LDAP-based directory server to maintain and provide user and group information, you must make sure that this user has access permission to that directory server to manipulate user and group information in that database. Otherwise this user will not be able to perform user and group management tasks in that directory server through this administration server interface!

Access username [admin]:

NOTE: If you have previously installed one of the SuiteSpot segments on this platform, then the admin user name has already been established and you must enter it here. If this is the first SuiteSpot server segment to be installed (after the SuiteSpot segment itself, of course) then you are determining what the SuiteSpot login name will be. It is recommended that you accept the default name (*admin*).

Step 11: Please enter the password used for the administrator.

```
Access to the administration is restricted to people
who know the administration username and password, and
to people who access the server from a host you
specify. When you access the administration server, it
will prompt you for a username and a password. Please
select a name and password.
```

```
Access username [admin]:
Please enter the admin password:
```

NOTE: If you have previously installed one of the SuiteSpot segments on this platform, then the *admin* password has already been established and you must enter it here. If this is the first SuiteSpot server segment to be installed (after the SuiteSpot segment itself, of course) then you are determining what the SuiteSpot login password will be. It must be at least six alphanumeric characters in length, and contain both letters and numbers.

Step 12: Enter carriage return for the next statement.

```
The files will be written to
/home2/ns-home-3/admin-serv/config and
/home2/ns-home-3/userdb/ldap/config/lcache.conf
```

```
Changing ownership to admin user...
Press any key to continue.
```

Step 13: Enter Messaging Server user. The value to enter is *nsmail*. This user name has been approved by the DII Engineering Office and is registered. This user has already been configured by the COEInstaller for this segment.

For maximum security, it is recommended that you create a new user that will be used exclusively by the Messaging Server. It is recommended that the Messaging Server user is NOT the same as the SuiteSpot user ("nobody") or "root". This user ID should be one that will not be used by any other application or user. Also, its primary group ID must be set to the SuiteSpot group ("nobody").

The Messaging Server user must exist on the system for the rest of the installation to succeed, so you should create it now in your system if it does not yet exist. Suggested names are "nsmail" (Netscape mail) or "mta" (message transfer agent).

User to run Messaging Server as: *nsmail*

Step 14: Enter the domain name at your site.

What is your network domain name (not including the name of the host)? For example, if your computer was named 'host.your.domain.edu', you would enter 'your.domain.edu' here.

Please enter your domain name:

Step 15: Enter the location to store users mail and queued mail. Please give careful consideration as to where this should be. Users mail can require large amounts of disk space and so can queued mail. The values presented by the setup program are system defaults and should only be used if these directories have large disk allocations.

The Netscape Messaging Server stores users' mail in the "mailbox directory", and stores configuration files and queued mail in the "post office directory". Typically, the /var partition is used for this type of directory. Whatever location you choose, you must make sure these locations have sufficient disk space to store whatever volume of mail you expect to be stored in them.

Mailbox directory [/var/spool/mailbox]:
Post Office directory [/var/spool/postoffice]:

Step 16: Enter the machine name of the platform you are currently installing on. You do not have to include the domain name as indicated in the example.

Choose a name for this server that will appear in the administrative interface to identify this Messaging Server. The name may contain only letters, digits, dots, hyphens, and underscores.

Server Identifier [orbiter.lab.saic.com]:

Step 17: If your site uses NIS for mail aliases, then answer yes to the following question else please answer *no* or take the default.

Netscape Messaging Server can be optionally integrated with NIS to provide an additional means to determine how to route messages. If your system/organization is running NIS and currently uses it for mail aliases, you may install a lookup module to use the information in your NIS mail.aliases service.

Enter 'y' to install the NIS module, 'n' to disable this feature.

Install NIS module? [n]:

Step 18: If your site wishes to use this feature please keep in mind that the greeting.txt file must be updated to reflect the correct information. Most sites will want to answer *no* to this question.

The Netscape Messaging Server will automatically send a greeting message to all new accounts which are created, informing users how to configure their individual account settings. If you enable this feature, you must make sure that the information in the "greeting.txt" file is kept current.

Enter 'y' to send Greeting Forms, 'n' to disable this feature.

Send Greeting Forms to new accounts? [n]:

Step 19: This currently lists the choices you have made for the Netscape Messaging Server. If these are correct enter *yes* else answer *no* to abort the installation.

```
Mail user name:      nsmail
Domain name:        lab.saic.com
Mailbox directory:   /var/spool/mailbox
Post Office directory: /var/spool/postoffice
Server Identifier:    orbiter.lab.saic.com
NIS lookups:         no
Greeting forms:      no
```

You may accept these choices or quit the installation.

Install Netscape Messaging Server? [y]:

Step 20: Enter the mail address of the person you wish to be postmaster. This must be an actual person and this persons email account must exist.

Please enter the email address of the person to whom postmaster mail should be forwarded. This must be an actual person's email address, e.g., "joe@example.com". If this person is not yet an email user, you must create an email account for them with this address as soon as possible. You may change this setting later on. Forward postmaster mail to:

Step 21: Netscape Messaging Server replaces the machine's current Message Transfer Agent (MTA). It is designed to be a drop-in replacement for sendmail in most installations. When the Messaging Server is installed, the sendmail executable on one's machine is saved as sendmail.bak and a symbolic link that points to the replacement program is put in its place.

In addition to the MTA, the Messaging Server contains a POP3 server, an IMAP4 server, and a finger server, integrated into a single system.

If one is running a POP3 or IMAP4 server, it is most likely a local customization because neither POP3 or IMAP4 usually come as a part of a stock Unix system. If one's POP3 or IMAP4 server is launched by inetd, then it will be disabled in the inetd.conf file. Make sure you answer *yes* to the following question.

Your Internet Daemon (inetd) is currently configured to

handle the following services:

```
pop3
imap
finger
```

These will need to be disabled in /etc/inetd.conf for the mail system to be able to take over for inetd.

Would you like this to be done for you? yes/no/quit [yes]

Step 22: Enter yes to start the messaging server.

Netscape Messaging Server installation complete.

You may now choose to start the Netscape Messaging Server.

Start the server now? [yes]

Step 23: Enter a carriage return.

Press [Return] to continue...

Step 24: If you wish to invoke the Netscape browser to fine tune the Messaging Server, then enter the location of the netscape binary. One should enter a carriage return at this time to allow the COEInstaller to perform final installation of the NSMSG segment. The installer can use the netscape browser to access the Messaging Server at any time after the install by executing the netscape browser with the following URL: *http://machine-name:5351* where machine-name is the machine the NSMSG is installed on.

You may now configure your new Netscape Servers by using a World-Wide Web browser, such as Netscape Navigator, and connecting to your Admin Server - it can be accessed at the following URL: *http://orbiter.lab.saic.com:5351/*

It is highly recommended that you use Navigator 3.0 or better, as some of the administration pages use new JavaScript commands. Please enter the command-line name of the navigator you will use to configure the server, including any additional command line flags such as display as well.

If you will use a navigator from a PC, Macintosh, or a remote system, enter NONE here.

Network navigator [netscape]:

4.2.1 De-Installation Instructions

To de-install the NSMSG segment, select the NSMSG segment via the COEInstaller and then the DEINSTALL button. The de-install process will only remove the Messaging server distribution. It will not remove any user mail or queued mail.

4.3 Installation of Upgrades

None.

4.4 Installation Verification

To verify that this software has been installed, execute the following commands:

```
cd /h/COTS/SuiteSpot/ns-home-3/mail-machineName/config
Verify the following files are present:
magnus.conf
```

To verify that the Netscape Messaging Server is running, execute the following command:

```
ps -ef | grep NscpMail
```

This should return a line indicating NscpMail is running as user nsmail if the installation was performed correctly.

4.5 Initializing the Software

Not required.

4.6 List of Changes and Enhancements

Not applicable.

4.7 Important Considerations

Follow the guidelines established by your engineering office regarding your site, domain name service (DNS) aliasing, and creation of more than one Messaging Server.

5. Notes

None.

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